WHAT IS CLAIMED IS:

A method of assembling a lead wire of a starter comprising steps

bending a lead wire for connecting a starting motor and a magnet switch to form a first bent portion and a second bent portion;

integrally molding a sleeve with the lead wire so as to tightly fix to the second bent portion of the lead wire; and

inserting an end of the sleeve facing to the first bent portion of the lead wire to a housing of the starting motor so as to seal an outer periphery of the sleeve and an insertion portion of the housing.

- 2. The method of claim 1, wherein the inserting step includes inserting an O-ring between the outer periphery of the sleeve and the housing proximate to the insertion portion to seal therebetween.
- 3. The method of claim 2, wherein the molding step includes integrally molding the O-ring with the sleeve.
- 4. The method of claim 1, wherein the bending step includes welding an end of the second bent portion to a terminal which is to be connected to the magnet switch.
- 5. The method of claim 1, wherein the molding step includes forming the sleeve to leave a clearance between the first bent portion of the lead wire and the sleeve.

- 6. The method of claim 1, wherein the molding step includes forming the sleeve to have a projection at a part which faces the first bent portion of the lead wire.
- 7. The method of claim 1, wherein the molding step includes forming the sleeve to have accordion structure at a part which faces the first bent portion of the lead wire.
- 8. The method of claim 1, wherein the molding step includes forming a thin wall portion at a part which faces the first bent portion of the lead wire.
- 9. The method of claim 1, further comprising a step of connecting the terminal to the magnet switch at a same time as inserting the end of the sleeve into the housing.
- 10. The method of claim 1, wherein the bending step bends the lead wire in a substantially V-shape to connect the magnet switch and the housing of the starting motor.
- 11. A method of assembling a lead wire of a starter comprising steps of:

preparing a lead wire, which is to connect a starting motor and a magnet switch, having a predetermined shape that includes a straight portion at a position to be connected to the magnet switch;

molding a sleeve to be fluid-tightly integrated with the straight portion of the lead wire.

- 12. The method of claim 11, wherein the molding step includes forming the sleeve to have a sealing portion to be fluid-tightly engaged with a housing of the starting motor.
- 13. The method of claim 12, further comprising a step of fitting the sealing portion of the sleeve to the housing.
- 14. The method of claim 13, further comprising a step of connecting the straight portion of the lead wire to the magnet switch at a same time as fitting the sealing portion of the sleeve to the housing.
- 15. The method of claim 11, wherein the molding step includes forming the sleeve to leave a clearance between the sleeve and the lead wire other than a part which is fluid-tightly integrated with the straight portion of the lead wire.
- 16. The method of claim 11, wherein the molding step includes forming the sleeve to be flexible against the lead wire other than parts which is fluid-tightly integrated with the straight portion of the lead wire and engaged with the housing.
- 17. The method of claim 11, wherein the fitting step includes inserting an O-ring between the sealing portion of the sleeve and the housing to seal therebetween.
- 18. The method of claim 17, wherein the molding step includes integrally molding the O-ring with the sleeve.

- 19. The method of claim 11, wherein the preparing step includes welding a terminal to the straight portion of the lead wire.
- 20. A method of electrically connecting a motor and a switch fixedly mounted on the motor, the method comprising steps of:

forming an angled lead wire covered with an insulating sleeve thereon except for terminal ends thereof; and

tightly fitting the terminal ends of the angled lead wire to the motor and the switch without deforming a shape of the angled lead wire.